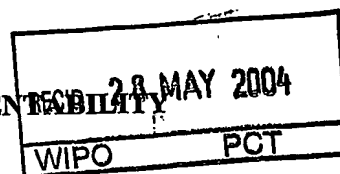


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference P13055WO	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE 2002/000379	International filing date (day/month/year) 04-03-2002	Priority date (day/month/year) ---
International Patent Classification (IPC) or national classification and IPC G06F 3/16		
Applicant Telefonaktiebolaget L M Ericsson (publ) et al		

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 4 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
 - ☐ (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:
 - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
 - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

Date of submission of the demand 22-09-2003	Date of completion of this report 06-05-2004
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Authorized officer Henrik Andersson /LR Telephone No. +46 8 782 25 00

Form PCT/IPEA/409 (cover sheet) (January 2004)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2002/000379

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

- ☐ international search (under Rules 12.3 and 23.1(b))
☐ publication of the international application (under Rule 12.4)
☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

☒ the international application as originally filed/furnished

☐ the description:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ the claims:

pages _____ as originally filed/furnished

pages* _____ as amended (together with any statement) under Article 19

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ the drawings:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2002/000379

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-14, 16</u>	YES
	Claims	<u>15</u>	NO
Inventive step (IS)	Claims	<u>1-14</u>	YES
	Claims	<u>15-16</u>	NO
Industrial applicability (IA)	Claims	<u>1-16</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: Database WPI, Week 199942, Derwent Publications Ltd., London, GB; Class H04L12/56, AN 1999-500748 & JP11215184 (Melcor KK), 6 August 1999.

The object of the invention according to the applicant is to construct an arrangement for real time handling of a digital audio signal where the delay time is shortened, the audio quality is ameliorate and it is possible to simultaneously handle audio signals and messages in a PC environment.

D1 outlines a network system that has a router provided with a packet converter to change audio packet data transferred between internal network circuit and external public digital-telephone circuit. The computer terminal has a sound board to convert signals sent between the microphone and speaker, and a LAN adaptor for sending and receiving audio packet data from the router via the internal network circuit. The router has a packet converter to change the audio packet data transferred between the internal network circuit and the external public digital-telephone circuit. The internal network circuit and an external public digital-telephone circuit are interconnected by a router. This system allows call without interruption by compressing data to reduce required forwarding capacity of internal network circuit. Internal network circuit can be connected to telephone with the optimum route.

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: Box V

Claim 15:

Since all technical features of this claim are considered to be disclosed in D1 the requirements with respect to novelty are not met for the subject-matter claimed in claim 15. The technical features described in this claims are the same as these described in D1. Therefore, the invention claimed in claim 15 is not considered novel.

Claim 16:

The invention as defined in this claim differs from D1 in obvious details concerning an arrangement for real time handling of a digital audio signal according to claim 15. More specifically, the additional features described in this claim are either known from prior art documents or generally known in the technical field of digital audio. The inclusion of such features is regarded as part of the customary praxis the skilled person would consider in accordance with circumstances. In D1 are also equivalent techniques described and used. From that described in this claim it is considered obvious to a person skilled in the art, with knowledge of D1, to accomplish what is described in this claims, if confronted with these problems. Hence, the invention claimed in claim 16 is not considered to involve an inventive step.

According to the arguments stated above, the invention claimed in claims 1-16 is considered to be industrially applicable but the claim 15 is not considered to be novel and the claim 16 is considered to be novel but is not considered to involve an inventive step. The claims 1-14 are considered to be novel and to involve an inventive step.